

## ABSTRACT OF THE DISCLOSURE

The present invention provides a measurement device capable of measuring relatively accurately the temperature of inspired air used in artificial respiration.

5 This device measures the temperature of inspired air in a respiratory circuit that possesses an inspired air flow path. This device comprises a sensor that detects the temperature of inspired air inside the inspired air flow path, and a holder to hold the sensor in the inspired air flow path. The holder has a heat transfer-suppressing portion that prevents the transfer of heat from the exterior of the inspired air flow path to the sensor.

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